

Amendments to the Claims

This listing of the claims will replace all prior versions, and listings, of the claims in the application:

Listing of the Claims

1. (currently amended) A fin assembly for a surf craft, the assembly including:
a base extending in a first direction for mounting the assembly to the surf craft;
a larger fin extending from the base, the larger fin extending at an angle to the first direction and having an acute angle portion such that the larger fin has an acute angle side and a second side opposite the acute angle side having a leading primary edge and a trailing primary edge; and
a smaller fin extending from the base and positioned on the base relative to the larger fin adjacent the acute angle side and substantially opposite the second side fin having a leading secondary edge and a trailing secondary edge, the smaller fin trailing the larger fin.
2. (currently amended) An assembly according to claim 1 wherein the base and the larger and smaller fins are integrally formed.
3. (currently amended) An assembly according to claim 1 wherein the larger and smaller fins have leading edges and the leading edges of the fins are aligned.
4. (currently amended) An assembly according to claim 1 wherein larger and smaller fins have leading edges and trailing edges and the leading and the trailing edges are aligned.
5. (currently amended) An assembly according to claim 1 wherein the larger fin has primary leading and trailing edges and the smaller fin has secondary leading and

trailing edges and the base extends longitudinally between the leading primary edge and the trailing secondary edge.

6. (currently amended) An assembly according to claim 1 wherein the larger fin has primary leading and trailing edges and the smaller fin has secondary leading and trailing edges and the trailing primary edge and the leading secondary edge are joined by an intermediate arcuate edge defined by the base.

7. (original) An assembly according to claim 6 wherein the arcuate edge is of varying radius.

8. (currently amended) An assembly according to claim 1 wherein the primary larger fin extends along a first plane that is normal to the base.

9. (currently amended) An assembly according to claim 8 wherein both the primary and secondary larger and smaller fins extend along the first plane.

10. (original) An assembly according to claim 1 wherein the fins include respective pairs of opposite faces that extend between the leading and trailing edges.

11. (original) An assembly according to claim 10 wherein one or more of the faces are substantially planar.

12. (currently amended) A fin assembly including:
a base for mounting the assembly to an object and extending in a first direction;
a larger fin extending from the base and having a leading convex primary edge and a trailing concave primary edge; and
a smaller fin extending rearwardly from the base and having a leading secondary edge and a trailing secondary edge, wherein the smaller fin trailing is on the concave primary edge side of the larger fin.

13. (original) An assembly according to claim 12 wherein the leading primary edge is curved substantially complementarily to the leading secondary edge.

14. (currently amended) A fin assembly including:

a base for mounting the assembly to an object;

a larger fin extending from the base and having a leading convex primary edge and a trailing concave primary edge and a high rake;

a smaller fin extending rearwardly from the base and having a leading first secondary edge and a trailing second secondary edge, the smaller fin trailing being adjacent the concave primary edge of the larger fin and providing the assembly with a rake of less than about 90°; and

a feathered portion between the larger fin, the smaller fin and the base.

15. (original) An assembly according to claim 14 wherein the edges extend along a single plane.

16. (original) An assembly according to claim 14 wherein the smaller fin is, in use, deformable in a direction normal to the plane.

17. (currently amended) A fin assembly for a surf craft, the assembly including:
a base for mounting the assembly to the surf craft;

a primary fin that extends from the base and which has a leading first edge and a trailing second edge that meet at a primary tip, where the edges lie substantially within a common plane; and

a secondary fin extending rearwardly from a rear of from the base, away from the primary fin, and wherein the secondary fin, having an edge that has a tangent that is parallel to the plane and the primary fin extends such that the secondary fin is positioned between a portion of the primary fin and the base for providing the assembly with a rake of less than about 90°.

18. (currently amended) A fin assembly for a surf craft, the assembly including:
a base having a substantially planar surface for mounting the assembly to the
surf craft;
a primary fin that extends from the base at an acute angle and which has a
leading edge away from the acute angle and a trailing edge adjacent the acute angle
that meet at a primary tip; and
a secondary fin extending rearwardly from a rear of the base, the secondary fin,
having an edge that has a tangent that is parallel to the surface wherein the primary fin
extends relative to the secondary fin such that the assembly has a rake of less than
about 90°.
19. (previously presented) An assembly according to claim 18 wherein the base,
the primary fin and the secondary fin are integrally formed.
20. (previously presented) An assembly according to claim 18 wherein the base
and the secondary fin extend longitudinally.
21. (original) An assembly according to claim 20 wherein the base extends
longitudinally between the leading edge and the trailing edge.
22. (previously presented) An assembly according to claim 21 wherein the
secondary fin is directly underlying the leading and the trailing edge.
23. (previously presented) An assembly according to claim 22 wherein the
secondary fin, the trailing edge and the leading edge extend in a common plane.
24. (currently amended) An assembly according to claim 18 wherein the
trailing edge is feathered in an area intermediate of the secondary fin and the
leading edge.

25. (previously presented) An assembly according to claim 24 wherein the trailing edge and the secondary fin are joined by an intermediate arcuate edge defined by the base.
26. (original) An assembly according to claim 25 wherein the arcuate edge is of varying radius.
27. (previously presented) An assembly according to claim 18 wherein the primary fin extends along a first plane that is normal to the base.
28. (previously presented) An assembly according to claim 18 wherein the primary fin includes a pair of opposite faces that extend between the leading and the trailing edges.
29. (original) An assembly according to claim 28 wherein one or both of the faces are substantially planar.
30. (original) An assembly according to claim 28 wherein one or both of the faces are substantially arcuate.
31. (canceled)
32. (original) An assembly according to claim 18 wherein the fin assembly includes one or more mounting formations that extend from the surface for engaging with complementary locating formations extending from the surf craft.
33. (original) An assembly according to claim 32 wherein the or each mounting formation is a protrusion, and the or each locating formation is a recess.

34. (original) An assembly according to claim 33 wherein the assembly includes two spaced apart mounting formations and the surf craft includes at least two locating formations.

35. (currently amended) A fin assembly including:
a base for mounting the assembly to an object;
a large fin extending from the base in a direction at an acute angle relative to the base;

a smaller fin extending from the base in the acute angle defined by the large fin and the base, the smaller fin trailing the large fin and the large fin extending relative to the smaller fin such that the assembly has a rake of less than 90°, wherein the base, the primary large fin and the secondary smaller fin include a combined total sectional area (A_f); and

a feathered portion between two or more of the primary large fin, the secondary smaller fin and the base, wherein the feathered portion includes a sectional area (A_p) where and $A_p > 0.2.A_f$.

36. (original) A surf craft including a fin assembly of any one of claim 1, claim 17 or claim 18.

37. (original) A surf craft including a fin assembly of any one of claim 12, claim 14 or claim 35, where the object is the surf craft.

38. (currently amended) A method of manufacturing a fin assembly for a surf craft, the method including:

forming a base for mounting the assembly to the surf craft;
forming a larger fin that extends from the base at an acute angle relative to the base and which has a leading primary edge and a trailing primary edge; and
forming a smaller fin that extends from the base such that the smaller fin is in the acute angle of between the larger fin and the base and which has a leading secondary

edge and a trailing secondary edge, such that in-use the smaller fin trails the larger fin the larger fin extends relative to the smaller fin such that the assembly has a rake of less than 90°.

39. (original) A method according to claim 38 wherein the forming steps are performed simultaneously.

40. (previously presented) A method according to claim 38 wherein the base, the larger fin and the smaller fin are integrally formed.

41. (original) A method according to claim 38 including the additional step of forming at least one mounting formation that extends from the base for engaging with a complementary locating formation that extends from the surf craft.

42. (currently amended) A fin assembly for a surf craft, the assembly, in use, providing a predetermined sectional water engaging area (A) and including:

a base for mounting the assembly to extend from a surface of the surf craft;
a larger fin extending from the base at an acute angle relative to the base and away from the surface; and

a smaller fin extending from the base in the acute angle between the larger fin and the base, the smaller fin trailing the larger fin and the larger fin extending rearwardly of the smaller fin for providing the assembly with a rake of less than 90°, wherein a high proportion of A is near the surface.

43. (previously presented) An assembly according to claim 42 wherein the larger fin terminates in a point having a predetermined height (H) with respect to the surface, and at least 0.4.A is within 0.3.H of the surface.

44. (original) An assembly according to claim 42 wherein at least 0.45.A is within 0.3.H of the surface.

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45. (original) An assembly according to claim 42 wherein at least 0.5.A is within 0.3.H of the surface.

46. (original) An assembly according to claim 42 wherein at least 0.35.A is within 0.22H of the surface.

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